| Sheet 1 of 1                                                             |                                          |                    |          |       |               |          |             |             |                               |                       |  |
|--------------------------------------------------------------------------|------------------------------------------|--------------------|----------|-------|---------------|----------|-------------|-------------|-------------------------------|-----------------------|--|
| FORM PTO 1449 U                                                          | ATTY DOCKET NO. 2003_1064  SERIAL NO. (C |                    |          |       |               | 9,546    |             |             |                               |                       |  |
| PAT                                                                      | APPLICANT Shigeru FURUMIYA et al.        |                    |          |       |               |          |             |             |                               |                       |  |
| Date                                                                     | FILING DATE July 30, 2003                |                    |          | GROUP | 2653          |          |             |             |                               |                       |  |
| U.S. PATENT DOCUMENTS                                                    |                                          |                    |          |       |               |          |             |             |                               |                       |  |
| *EXAMINER<br>INITIAL                                                     | _                                        | DOCUMENT<br>NUMBER | DATE     |       | NAME          | CLASS    |             | SUBCLASS    | FILING DATE IF<br>APPROPRIATE |                       |  |
| cc                                                                       | AA                                       | 5,490,126          | 02/06/96 | Furu  | miya et al.   |          |             |             |                               |                       |  |
| ke                                                                       | АВ                                       | 5,636,194          | 06/03/97 | Furu  | miya et al.   |          |             |             |                               |                       |  |
|                                                                          | AC                                       |                    |          |       |               |          |             |             |                               |                       |  |
|                                                                          | AD                                       |                    |          |       |               |          |             |             |                               |                       |  |
|                                                                          | AE                                       |                    |          |       |               |          |             |             |                               |                       |  |
| FOREIGN PATENT DOCUMENTS                                                 |                                          |                    |          |       |               |          |             |             |                               |                       |  |
|                                                                          |                                          | DOCUMENT<br>NUMBER | DATE     | С     | COUNTRY       |          | LASS        | SUBCLASS    | TRANSL<br>YES                 | TRANSLATION<br>YES NO |  |
| 1ce                                                                      | AF                                       | 5-279513           | 05/19/95 |       | Japan         |          |             |             | /                             |                       |  |
| EC                                                                       | AG                                       | 93/10527           | 05/27/93 |       | WIPO          |          |             |             |                               |                       |  |
| be                                                                       | АН                                       | 851413             | 07/01/98 |       | Europe        |          |             |             |                               | /                     |  |
| (or                                                                      | Al                                       | 9-81937            | 03/28/97 |       | Japan         |          |             |             | /                             |                       |  |
| lac                                                                      | LA                                       | 5-234079           | 0910/93  |       | Japan<br>     |          |             |             |                               |                       |  |
| (ac                                                                      | AK                                       | 8-287465           | 11/01/96 |       | Japan         |          |             |             |                               |                       |  |
| le                                                                       | AL                                       | 0477892A2          | 4/1992   |       | EP            |          | /           |             |                               |                       |  |
| w                                                                        | АМ                                       | 0557584A1          | 9/1993   |       | EP            | 1/       |             | /           |                               |                       |  |
| icc                                                                      | AN                                       | 0469727A1          | 2/1992   |       | EP            | <u> </u> |             | /           |                               |                       |  |
| OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.) |                                          |                    |          |       |               |          |             |             |                               |                       |  |
|                                                                          | AP                                       |                    |          |       |               |          |             |             |                               |                       |  |
|                                                                          | АР                                       | <del> </del>       |          |       |               |          | <del></del> |             | . ·· <u>·</u> · · · ·         | -                     |  |
|                                                                          |                                          |                    |          | ·     |               |          |             | <del></del> | <u> </u>                      |                       |  |
|                                                                          | AQ.                                      |                    |          |       |               |          |             |             |                               |                       |  |
|                                                                          |                                          |                    |          |       |               |          |             |             |                               |                       |  |
| EXAMINER Fin Chin                                                        |                                          |                    |          |       | DATE CONSIDER | RED      | 3/1         | 17/06       | ·                             |                       |  |

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.